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DIALOG(R)File 351:Derwent WPI

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Human serum albumin gene modified by introduction of restriction site -  
useful for production of fusion proteins by inserting active peptide  
coding sequence into new restriction site

Patent Assignee: ASAH I GLASS CO LTD (ASAG )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8051982	A	19960227	JP 94209369	A	19940811	199618 B

Priority Applications (No Type Date): JP 94209369 A 19940811

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8051982	A	19	C12N-015/09	

Abstract (Basic): JP 8051982 A

A modified gene coding for human serum albumin (HSA), prepared by introducing restriction enzyme cleavage site(s) into at least one arbitrary position of a gene encoding wild-type HSA, is new. Also claimed are: (1) a fusion protein prepared by introducing gene(s) coding for physiologically active peptide(s) into the restriction enzyme cleavage site(s) of the modified gene; and (2) a gene encoding the fusion protein.

USE - Physiologically active fusion proteins can be produced by inserting their coding sequences into the restriction sites newly introduced into the HSA gene.

ADVANTAGE - The use of the modified HSA gene permits any form of physiologically active peptide to be readily introduced by genetic engineering into a specific site in human serum albumin, thus enabling the easy preparation of a novel physiologically active fusion protein.

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Title Terms: HUMAN; SERUM; ALBUMIN; GENE; MODIFIED; INTRODUCING; RESTRICT;  
SITE; USEFUL; PRODUCE; FUSE; PROTEIN; INSERT; ACTIVE; PEPTIDE; CODE;  
SEQUENCE; NEW; RESTRICT; SITE

Derwent Class: B04; D16

International Patent Class (Main): C12N-015/09

International Patent Class (Additional): C07K-019/00; C12N-001/19;

C12P-021/02; C12R-001-645

File Segment: CPI